

1 Deliver CLASS V.0 (April 2002)  
2      Implement CLASS V.0  
3          Code and Unit test  
4      Integration test CLASS  
5      Deployment  
6          System Integration  
7          Regression test  
8          Release test  
9          Stress test  
10       Acceptance test  
11      Roll out  
12  
13 Deliver CLASS V.1 (August 2002)  
14      Implement CLASS V.1  
15          Code and Unit test  
16      Integration test CLASS  
17      Deployment  
18          System Integration  
19          Regression test  
20          Release test  
21          Stress test  
22          Acceptance test  
23      Roll out  
24  
25 Project Administration  
26      Create Draft Project Plan  
27      Create Final Project Plan  
28      Create CM Plan  
29      Create QA Plan  
30      Create Standards  
31          Coding  
32          Data set Naming  
33          Documentation  
34      Create Testing guidelines  
35          Unit, integration, regression, acceptance, stress  
36      Create Disaster Recovery Plan  
37      Create Software Development Plan  
38          Document templates  
39      Create 5 year Plan  
40      Conduct Coordination meetings  
41          Weekly GM Status report  
42          Periodic Reviews  
43          Team Meetings as scheduled or needed  
44      Create project documentation repository  
45      Establish development environments  
46      Establish integration environment

47 Establish Test environment  
48  
49 Document SAA system for CLASS Baseline  
50     Update Software Description  
51     Update Database Description  
52     Update Hardware Description  
53     Update Telecomm Description  
54     Update Operations and Maintenance Procedures  
55     Update Regression Test Plan  
56  
57 CLASS System Requirements  
58     Fold SAA/GAA/COAST/LTA into CLASS Requirements  
59     Review and Refine system requirements  
60     Create Concept of Operations  
61     Prepare for System requirements Review  
62     Conduct System Requirements Review (SRR)  
63     Finalize system requirements  
64  
65 CLASS System Design  
66     Create application architecture  
67     Create System architecture  
68     Create Telecom architecture  
69     Create Interface Control Document (ICD)  
70     Create Database Design Document  
71     Create System Design Document  
72     Create Implementation Plan  
73         Define Releases  
74     Prepare for Preliminary Design Review  
75     Conduct Preliminary Design Review  
76     Prepare for Critical Design Review  
77     Conduct Critical Design Review  
78  
79 CLASS Infrastructure assessment  
80     Washington DC  
81         Analyze Hardware and Software alternatives  
82             Tape Robotics  
83             Storage area network  
84             HSM  
85             Shared file system  
86         Perform CEMSCS Hardware Upgrade Study  
87             HSM replacement  
88             Tape robotics replacement  
89             Backup and restore  
90         Review alternatives  
91         Select Hardware/Software  
92         Procure Hardware/Software

- 93              Site survey
- 94              Site preparation
- 95              Install Hardware/Software
- 96              Perform System Integration
- 97              Create System Migration Plan
- 98              Create Data Migration Plan
- 99
- 100             Asheville
  - 101              Analyze Hardware and Software alternatives
    - 102              Tape Robotics
    - 103              Storage area network
    - 104              HSM
    - 105              Shared file system
  - 106              Review alternatives
  - 107              Select Hardware/Software
  - 108              Procure Hardware/Software
  - 109              Site survey
  - 110              Site preparation
  - 111              Install Hardware/Software
  - 112              Perform System Integration
  - 113              Create System Migration Plan
  - 114              Create Data Migration Plan
- 115
- 116             Roll out CLASS V.1 at Asheville
  - 117              Establish system support organization
    - 118              Technical support
    - 119              Operations support
    - 120              Help desk
  - 121              Train system support organization
    - 122              Technical support
    - 123              Operations support
    - 124              Help desk
  - 125              Setup Ingest process
  - 126              Test Ingest
  - 127              Begin Ingesting historical POES data (not in Washington DC)
  - 128              Setup Beta operations
  - 129              Test Beta operations
  - 130              Test Disaster Recovery Plan
  - 131              Test Fail over capabilities
  - 132              Begin running Beta operations
  - 133              Begin running full operations
- 134
- 135             COAST Implementation
  - 136              Product acquisition
  - 137              Installation
  - 138              Training

- 139 Tech training
- 140 Train Beta Users
- 141 Transfer of knowledge from vendor to government
- 142 Train users
- 143
- 144 Analysis
  - 145 Evaluate legacy (old) data
  - 146 Evaluate (current) product catalog
    - 147 Pricing - business rules
    - 148 Pricing - SAA
  - 149 Evaluate business rules - define user roles
  - 150 Evaluate system architecture
    - 151 Evaluate modules (COTS) design
      - 152 What contain
      - 153 How functions
      - 154 Interfaces
    - 155 Evaluate on-line store interface (maintain current functionality)
    - 156 Evaluate SAA interface (maintain current functionality)
    - 157 Evaluate other interfaces (CAMS, financial pkg, etc.)
    - 158 Evaluate review e-business requirements (priority 1)
    - 159 Evaluate priority (who first) of phased roll-out (mini-roll-out)
  - 160
- 161 System Design
  - 162 Create application architecture
  - 163 Create System architecture
  - 164 Create Telecom architecture
  - 165 Create Interface Control Document (ICD)
  - 166 Create Database Design Document
  - 167 Create System Design Document
  - 168 Create Implementation Plan
    - 169 Define Releases
  - 170 Prepare for Preliminary Design Review
  - 171 Conduct Preliminary Design Review
  - 172 Prepare for Critical Design Review
  - 173 Conduct Critical Design Review
  - 174 Design Security
  - 175 Ensure Section 508 compliance
  - 176 Design Backup process
  - 177 Design Recovery process
  - 178 Define Data rationalization approach
  - 179
- 180 Detailed Design
  - 181 Define user roles
  - 182 Define attributes
  - 183 Define screen layouts
  - 184 Define/design output docs

- 185              Design new product catalog
- 186              Pricing - business rules
- 187              Pricing - SAA
- 188              Design on-line store API to COAST
- 189              Design SAA API to COAST
- 190              Define other interfaces (CAMS, financial pkg, etc.)
- 191              DO documentation
- 192              Define mapping of current catalog contents to COAST
- 193              Plan phased roll-out (mini-roll-out)
- 194
- 195              Implementation (steps taken to get to roll out)
- 196              Coding, configuring, and unit testing of COTS
- 197              Configure software using business rules
- 198              Import product catalog
- 199              Import legacy (old) data
- 200              Coding, configuring, and unit testing of OLS and SAA interfaces software
- 201
- 202              Testing
  - 203              Create Test Plan
  - 204              Perform User Beta
  - 205              Perform System test
  - 206              Perform CSR acceptance
    - 207              Technical
    - 208              Actual
  - 209              Interface OLS, SAA
- 210
- 211              Roll out
  - 212              Phased/mini rollout (SAA, OLS, CSR, other internal users)
  - 213              Parallel systems (COMPS, COAST, for CSR)
- 214
- 215              Documentation
- 216              Document Inventory
- 217
- 218              Incorporate E-commerce capability into CLASS V.x
  - 219              Detailed Design
  - 220              Design Review
  - 221              Implementation
    - 222              Code and Unit test
    - 223              Integration test
    - 224              Documentation
- 225
- 226
- 227              POES Campaign Requirements
- 228              Analyze Data
  - 229              Metadata
  - 230              Products (types, ie 1b vs raw data vs product)

- 231                      Volumes
- 232                      Timing
- 233                      Source
- 234                      Interface
- 235                      Migration Plan
- 236                      Archive Rules
- 237                      Analyze Functional requirements
- 238                      Build test plans
- 239                      Services required
- 240                      Business rules
- 241                      Customer Interface
- 242                      Security/data denial
- 243                      Section 508 compliance
- 244                      Analyze System requirements
- 245                      Application
- 246                      Hardware
- 247                      Telecom
- 248                      Analyze Cost Projections
- 249                      One time
- 250                      Recurring
- 251                      Conduct Requirements Review
- 252
- 253                      System Design (Delta from Baseline)
- 254                      Design System
  - 255                      Application
  - 256                      Hardware
  - 257                      Telecom
- 258                      Create Implementation Plan
- 259                      Releases
- 260                      Conduct Design Review(s)
- 261
- 262                      Deployment
  - 263                      Upgrade Hardware/software as required
  - 264                      Perform System Integration
  - 265                      Conduct Regression test
  - 266                      Conduct Release test
  - 267                      Conduct Stress test
  - 268                      Conduct Acceptance test
    - 269                      Washington DC
    - 270                      Asheville
  - 271                      Perform Roll out
    - 272                      Washington DC
    - 273                      Asheville
- 274
- 275                      Sub-System
- 276                      Ingest

277	Develop Detailed Design
278	Conduct Design Review
279	Implement
280	Code
281	Unit test
282	Conduct Integration test
283	Update Documentation
284	
285	Archive
286	Develop Detailed Design
287	Conduct Design Review
288	Implement
289	Code
290	Unit test
291	Conduct Integration test
292	Update Documentation
293	
294	Web Access
295	Develop Detailed Design
296	Conduct Design Review
297	Implement
298	Code
299	Unit test
300	Conduct Integration test
301	Update Documentation
302	
303	Search
304	Develop Detailed Design
305	Conduct Design Review
306	Implement
307	Code
308	Unit test
309	Conduct Integration test
310	Update Documentation
311	
312	Visualization
313	Develop Detailed Design
314	Conduct Design Review
315	Implement
316	Code
317	Unit test
318	Conduct Integration test
319	Update Documentation
320	
321	Order Entry
322	Develop Detailed Design

- 323                      Conduct Design Review
- 324                      Implement
- 325                          Code
- 326                          Unit test
- 327                      Conduct Integration test
- 328                      Update Documentation
- 329
- 330                      Order Fulfillment
- 331                      Develop Detailed Design
- 332                      Conduct Design Review
- 333                      Implement
- 334                          Code
- 335                          Unit test
- 336                      Conduct Integration test
- 337                      Update Documentation
- 338
- 339                      E-commerce (pricing and payment)
- 340                      Develop Detailed Design
- 341                      Conduct Design Review
- 342                      Implement
- 343                          Code
- 344                          Unit test
- 345                      Conduct Integration test
- 346                      Update Documentation
- 347
- 348                      GOES Campaign Requirements
- 349                      Analyze Data
  - 350                          Metadata
  - 351                          Products (types, ie 1b vs raw data vs product)
  - 352                          Volumes
  - 353                          Timing
  - 354                          Source
  - 355                          Interface
  - 356                          Migration Plan
  - 357                          Archive Rules
- 358                      Analyze Functional requirements
  - 359                          Build test plans
  - 360                          Services required
  - 361                          Business rules
  - 362                          Customer Interface
  - 363                          Security/data denial
  - 364                          Section 508 compliance
- 365                      Analyze System requirements
  - 366                          Application
  - 367                          Hardware
  - 368                          Telecom

369           Analyze Cost Projections  
370              One time  
371              Recurring  
372           Conduct Requirements Review  
373  
374       System Design (Delta from Baseline)  
375           Design System  
376              Application  
377              Hardware  
378              Telecom  
379           Create Implementation Plan  
380              Releases  
381           Conduct Design Review(s)  
382  
383       Deployment  
384           Upgrade Hardware/software as required  
385           Perform System Integration  
386           Conduct Regression test  
387           Conduct Release test  
388           Conduct Stress test  
389           Conduct Acceptance test  
390              Washington DC  
391              Asheville  
392           Perform Roll out  
393              Washington DC  
394              Asheville  
395  
396       Sub-System  
397           Ingest  
398              Develop Detailed Design  
399              Conduct Design Review  
400           Implement  
401              Code  
402              Unit test  
403           Conduct Integration test  
404           Update Documentation  
405  
406       Archive  
407              Develop Detailed Design  
408              Conduct Design Review  
409           Implement  
410              Code  
411              Unit test  
412           Conduct Integration test  
413           Update Documentation  
414

- 415      Web Access
- 416          Develop Detailed Design
- 417          Conduct Design Review
- 418          Implement
- 419              Code
- 420              Unit test
- 421          Conduct Integration test
- 422          Update Documentation
- 423
- 424      Search
- 425          Develop Detailed Design
- 426          Conduct Design Review
- 427          Implement
- 428              Code
- 429              Unit test
- 430          Conduct Integration test
- 431          Update Documentation
- 432
- 433      Visualization
- 434          Develop Detailed Design
- 435          Conduct Design Review
- 436          Implement
- 437              Code
- 438              Unit test
- 439          Conduct Integration test
- 440          Update Documentation
- 441
- 442      Order Entry
- 443          Develop Detailed Design
- 444          Conduct Design Review
- 445          Implement
- 446              Code
- 447              Unit test
- 448          Conduct Integration test
- 449          Update Documentation
- 450
- 451      Order Fulfillment
- 452          Develop Detailed Design
- 453          Conduct Design Review
- 454          Implement
- 455              Code
- 456              Unit test
- 457          Conduct Integration test
- 458          Update Documentation
- 459
- 460      E-commerce (pricing and payment)

461 Develop Detailed Design  
462 Conduct Design Review  
463 Implement  
464     Code  
465     Unit test  
466 Conduct Integration test  
467 Update Documentation  
468  
469 EOS Campaign Requirements  
470     Analyze Data  
471         Metadata  
472         Products (types, ie 1b vs raw data vs product)  
473         Volumes  
474         Timing  
475         Source  
476         Interface  
477         Migration Plan  
478         Archive Rules  
479     Analyze Functional requirements  
480         Build test plans  
481         Services required  
482         Business rules  
483         Customer Interface  
484         Security/data denial  
485         Section 508 compliance  
486     Analyze System requirements  
487         Application  
488         Hardware  
489         Telecom  
490     Analyze Cost Projections  
491         One time  
492         Recurring  
493     Conduct Requirements Review  
494  
495 System Design (Delta from Baseline)  
496     Design System  
497         Application  
498         Hardware  
499         Telecom  
500     Create Implementation Plan  
501         Releases  
502     Conduct Design Review(s)  
503  
504 Deployment  
505     Upgrade Hardware/software as required  
506     Perform System Integration

- 507      Conduct Regression test
- 508      Conduct Release test
- 509      Conduct Stress test
- 510      Conduct Acceptance test
  - 511              Washington DC
  - 512              Asheville
- 513      Perform Roll out
  - 514              Washington DC
  - 515              Asheville
- 516
- 517      Sub-System
  - 518          Ingest
    - 519              Develop Detailed Design
    - 520              Conduct Design Review
    - 521              Implement
      - 522                      Code
      - 523                      Unit test
    - 524              Conduct Integration test
    - 525              Update Documentation
  - 526
  - 527          Archive
    - 528              Develop Detailed Design
    - 529              Conduct Design Review
    - 530              Implement
      - 531                      Code
      - 532                      Unit test
    - 533              Conduct Integration test
    - 534              Update Documentation
  - 535
  - 536          Web Access
    - 537              Develop Detailed Design
    - 538              Conduct Design Review
    - 539              Implement
      - 540                      Code
      - 541                      Unit test
    - 542              Conduct Integration test
    - 543              Update Documentation
  - 544
  - 545          Search
    - 546              Develop Detailed Design
    - 547              Conduct Design Review
    - 548              Implement
      - 549                      Code
      - 550                      Unit test
    - 551              Conduct Integration test
    - 552              Update Documentation

553  
554     Visualization  
555         Develop Detailed Design  
556         Conduct Design Review  
557         Implement  
558             Code  
559             Unit test  
560         Conduct Integration test  
561         Update Documentation  
562  
563     Order Entry  
564         Develop Detailed Design  
565         Conduct Design Review  
566         Implement  
567             Code  
568             Unit test  
569         Conduct Integration test  
570         Update Documentation  
571  
572     Order Fulfillment  
573         Develop Detailed Design  
574         Conduct Design Review  
575         Implement  
576             Code  
577             Unit test  
578         Conduct Integration test  
579         Update Documentation  
580  
581     E-commerce (pricing and payment)  
582         Develop Detailed Design  
583         Conduct Design Review  
584         Implement  
585             Code  
586             Unit test  
587         Conduct Integration test  
588         Update Documentation  
589  
590     NPP Campaign Requirements  
591         Analyze Data  
592             Metadata  
593             Products (types, ie 1b vs raw data vs product)  
594             Volumes  
595             Timing  
596             Source  
597             Interface  
598             Migration Plan

- 599 Archive Rules
- 600 Analyze Functional requirements
  - 601 Build test plans
  - 602 Services required
  - 603 Business rules
  - 604 Customer Interface
  - 605 Security/data denial
  - 606 Section 508 compliance
- 607 Analyze System requirements
  - 608 Application
  - 609 Hardware
  - 610 Telecom
- 611 Analyze Cost Projections
  - 612 One time
  - 613 Recurring
- 614 Conduct Requirements Review
- 615
- 616 System Design (Delta from Baseline)
- 617 Design System
  - 618 Application
  - 619 Hardware
  - 620 Telecom
- 621 Create Implementation Plan
- 622 Releases
- 623 Conduct Design Review(s)
- 624
- 625 Deployment
  - 626 Upgrade Hardware/software as required
  - 627 Perform System Integration
  - 628 Conduct Regression test
  - 629 Conduct Release test
  - 630 Conduct Stress test
  - 631 Conduct Acceptance test
    - 632 Washington DC
    - 633 Asheville
  - 634 Perform Roll out
    - 635 Washington DC
    - 636 Asheville
- 637
- 638 Sub-System
- 639 Ingest
  - 640 Develop Detailed Design
  - 641 Conduct Design Review
  - 642 Implement
    - 643 Code
    - 644 Unit test

645                      Conduct Integration test  
646                      Update Documentation  
647  
648                      Archive  
649                      Develop Detailed Design  
650                      Conduct Design Review  
651                      Implement  
652                      Code  
653                      Unit test  
654                      Conduct Integration test  
655                      Update Documentation  
656  
657                      Web Access  
658                      Develop Detailed Design  
659                      Conduct Design Review  
660                      Implement  
661                      Code  
662                      Unit test  
663                      Conduct Integration test  
664                      Update Documentation  
665  
666                      Search  
667                      Develop Detailed Design  
668                      Conduct Design Review  
669                      Implement  
670                      Code  
671                      Unit test  
672                      Conduct Integration test  
673                      Update Documentation  
674  
675                      Visualization  
676                      Develop Detailed Design  
677                      Conduct Design Review  
678                      Implement  
679                      Code  
680                      Unit test  
681                      Conduct Integration test  
682                      Update Documentation  
683  
684                      Order Entry  
685                      Develop Detailed Design  
686                      Conduct Design Review  
687                      Implement  
688                      Code  
689                      Unit test  
690                      Conduct Integration test

691                   Update Documentation  
692  
693                   Order Fulfillment  
694                    Develop Detailed Design  
695                    Conduct Design Review  
696                    Implement  
697                    Code  
698                    Unit test  
699                    Conduct Integration test  
700                    Update Documentation  
701  
702                   E-commerce (pricing and payment)  
703                    Develop Detailed Design  
704                    Conduct Design Review  
705                    Implement  
706                    Code  
707                    Unit test  
708                    Conduct Integration test  
709                    Update Documentation  
710  
711                   METOP Campaign Requirements  
712                    Analyze Data  
713                    Metadata  
714                    Products (types, ie 1b vs raw data vs product)  
715                    Volumes  
716                    Timing  
717                    Source  
718                    Interface  
719                    Migration Plan  
720                    Archive Rules  
721                    Analyze Functional requirements  
722                    Build test plans  
723                    Services required  
724                    Business rules  
725                    Customer Interface  
726                    Security/data denial  
727                    Section 508 compliance  
728                    Analyze System requirements  
729                    Application  
730                    Hardware  
731                    Telecom  
732                    Analyze Cost Projections  
733                    One time  
734                    Recurring  
735                    Conduct Requirements Review  
736

737 System Design (Delta from Baseline)  
738     Design System  
739         Application  
740         Hardware  
741         Telecom  
742     Create Implementation Plan  
743         Releases  
744     Conduct Design Review(s)  
745  
746 Deployment  
747     Upgrade Hardware/software as required  
748     Perform System Integration  
749         Conduct Regression test  
750         Conduct Release test  
751         Conduct Stress test  
752         Conduct Acceptance test  
753             Washington DC  
754             Asheville  
755     Perform Roll out  
756             Washington DC  
757             Asheville  
758  
759 Sub-System  
760     Ingest  
761         Develop Detailed Design  
762         Conduct Design Review  
763         Implement  
764             Code  
765             Unit test  
766         Conduct Integration test  
767         Update Documentation  
768  
769     Archive  
770         Develop Detailed Design  
771         Conduct Design Review  
772         Implement  
773             Code  
774             Unit test  
775         Conduct Integration test  
776         Update Documentation  
777  
778     Web Access  
779         Develop Detailed Design  
780         Conduct Design Review  
781         Implement  
782             Code

783                   Unit test  
784                   Conduct Integration test  
785                   Update Documentation  
786  
787                   Search  
788                   Develop Detailed Design  
789                   Conduct Design Review  
790                   Implement  
791                    Code  
792                    Unit test  
793                   Conduct Integration test  
794                   Update Documentation  
795  
796                   Visualization  
797                   Develop Detailed Design  
798                   Conduct Design Review  
799                   Implement  
800                    Code  
801                    Unit test  
802                   Conduct Integration test  
803                   Update Documentation  
804  
805                   Order Entry  
806                   Develop Detailed Design  
807                   Conduct Design Review  
808                   Implement  
809                    Code  
810                    Unit test  
811                   Conduct Integration test  
812                   Update Documentation  
813  
814                   Order Fulfillment  
815                   Develop Detailed Design  
816                   Conduct Design Review  
817                   Implement  
818                    Code  
819                    Unit test  
820                   Conduct Integration test  
821                   Update Documentation  
822  
823                   E-commerce (pricing and payment)  
824                   Develop Detailed Design  
825                   Conduct Design Review  
826                   Implement  
827                    Code  
828                    Unit test

- 829                  Conduct Integration test  
830                  Update Documentation  
831  
832      NEXRAD Campaign Requirements  
833                  Analyze Data  
834                  Metadata  
835                  Products (types, ie 1b vs raw data vs product)  
836                  Volumes  
837                  Timing  
838                  Source  
839                  Interface  
840                  Migration Plan  
841                  Archive Rules  
842                  Analyze Functional requirements  
843                  Build test plans  
844                  Services required  
845                  Business rules  
846                  Customer Interface  
847                  Security/data denial  
848                  Section 508 compliance  
849                  Analyze System requirements  
850                  Application  
851                  Hardware  
852                  Telecom  
853                  Analyze Cost Projections  
854                  One time  
855                  Recurring  
856                  Conduct Requirements Review  
857  
858      System Design (Delta from Baseline)  
859                  Design System  
860                  Application  
861                  Hardware  
862                  Telecom  
863                  Create Implementation Plan  
864                  Releases  
865                  Conduct Design Review(s)  
866  
867      Deployment  
868                  Upgrade Hardware/software as required  
869                  Perform System Integration  
870                  Conduct Regression test  
871                  Conduct Release test  
872                  Conduct Stress test  
873                  Conduct Acceptance test  
874                  Washington DC

875                      Asheville  
876     Perform Roll out  
877                      Washington DC  
878                      Asheville  
879  
880     Sub-System  
881         Ingest  
882                      Develop Detailed Design  
883                      Conduct Design Review  
884                      Implement  
885                      Code  
886                      Unit test  
887                      Conduct Integration test  
888                      Update Documentation  
889  
890         Archive  
891                      Develop Detailed Design  
892                      Conduct Design Review  
893                      Implement  
894                      Code  
895                      Unit test  
896                      Conduct Integration test  
897                      Update Documentation  
898  
899     Web Access  
900                      Develop Detailed Design  
901                      Conduct Design Review  
902                      Implement  
903                      Code  
904                      Unit test  
905                      Conduct Integration test  
906                      Update Documentation  
907  
908     Search  
909                      Develop Detailed Design  
910                      Conduct Design Review  
911                      Implement  
912                      Code  
913                      Unit test  
914                      Conduct Integration test  
915                      Update Documentation  
916  
917     Visualization  
918                      Develop Detailed Design  
919                      Conduct Design Review  
920                      Implement

921                      Code  
922                      Unit test  
923                      Conduct Integration test  
924                      Update Documentation  
925  
926                      Order Entry  
927                      Develop Detailed Design  
928                      Conduct Design Review  
929                      Implement  
930                      Code  
931                      Unit test  
932                      Conduct Integration test  
933                      Update Documentation  
934  
935                      Order Fulfillment  
936                      Develop Detailed Design  
937                      Conduct Design Review  
938                      Implement  
939                      Code  
940                      Unit test  
941                      Conduct Integration test  
942                      Update Documentation  
943  
944                      E-commerce (pricing and payment)  
945                      Develop Detailed Design  
946                      Conduct Design Review  
947                      Implement  
948                      Code  
949                      Unit test  
950                      Conduct Integration test  
951                      Update Documentation  
952  
953                      NPOESS Campaign Requirements  
954                      Analyze Data  
955                      Metadata  
956                      Products (types, ie 1b vs raw data vs product)  
957                      Volumes  
958                      Timing  
959                      Source  
960                      Interface  
961                      Migration Plan  
962                      Archive Rules  
963                      Analyze Functional requirements  
964                      Build test plans  
965                      Services required  
966                      Business rules

967 Customer Interface  
968 Security/data denial  
969 Section 508 compliance  
970 Analyze System requirements  
971 Application  
972 Hardware  
973 Telecom  
974 Analyze Cost Projections  
975 One time  
976 Recurring  
977 Conduct Requirements Review  
978  
979 System Design (Delta from Baseline)  
980 Design System  
981 Application  
982 Hardware  
983 Telecom  
984 Create Implementation Plan  
985 Releases  
986 Conduct Design Review(s)  
987  
988 Deployment  
989 Upgrade Hardware/software as required  
990 Perform System Integration  
991 Conduct Regression test  
992 Conduct Release test  
993 Conduct Stress test  
994 Conduct Acceptance test  
995 Washington DC  
996 Asheville  
997 Perform Roll out  
998 Washington DC  
999 Asheville  
1000  
1001 Sub-System  
1002 Ingest  
1003 Develop Detailed Design  
1004 Conduct Design Review  
1005 Implement  
1006 Code  
1007 Unit test  
1008 Conduct Integration test  
1009 Update Documentation  
1010  
1011 Archive  
1012 Develop Detailed Design

- 1013                  Conduct Design Review
- 1014                  Implement
- 1015                       Code
- 1016                       Unit test
- 1017                  Conduct Integration test
- 1018                  Update Documentation
- 1019
- 1020                  Web Access
- 1021                  Develop Detailed Design
- 1022                  Conduct Design Review
- 1023                  Implement
- 1024                       Code
- 1025                       Unit test
- 1026                  Conduct Integration test
- 1027                  Update Documentation
- 1028
- 1029                  Search
- 1030                  Develop Detailed Design
- 1031                  Conduct Design Review
- 1032                  Implement
- 1033                       Code
- 1034                       Unit test
- 1035                  Conduct Integration test
- 1036                  Update Documentation
- 1037
- 1038                  Visualization
- 1039                  Develop Detailed Design
- 1040                  Conduct Design Review
- 1041                  Implement
- 1042                       Code
- 1043                       Unit test
- 1044                  Conduct Integration test
- 1045                  Update Documentation
- 1046
- 1047                  Order Entry
- 1048                  Develop Detailed Design
- 1049                  Conduct Design Review
- 1050                  Implement
- 1051                       Code
- 1052                       Unit test
- 1053                  Conduct Integration test
- 1054                  Update Documentation
- 1055
- 1056                  Order Fulfillment
- 1057                  Develop Detailed Design
- 1058                  Conduct Design Review

1059            Implement  
1060                Code  
1061                Unit test  
1062            Conduct Integration test  
1063            Update Documentation  
1064  
1065            E-commerce (pricing and payment)  
1066            Develop Detailed Design  
1067            Conduct Design Review  
1068            Implement  
1069                Code  
1070                Unit test  
1071            Conduct Integration test  
1072            Update Documentation  
1073  
1074          DERIVED PRODUCTS Campaign Requirements  
1075          Analyze Data  
1076                Metadata  
1077                Products (types, ie 1b vs raw data vs product)  
1078                Volumes  
1079                Timing  
1080                Source  
1081                Interface  
1082                Migration Plan  
1083                Archive Rules  
1084          Analyze Functional requirements  
1085                Build test plans  
1086                Services required  
1087                Business rules  
1088                Customer Interface  
1089                Security/data denial  
1090                Section 508 compliance  
1091          Analyze System requirements  
1092                Application  
1093                Hardware  
1094                Telecom  
1095          Analyze Cost Projections  
1096                One time  
1097                Recurring  
1098          Conduct Requirements Review  
1099  
1100         System Design (Delta from Baseline)  
1101          Design System  
1102                Application  
1103                Hardware  
1104                Telecom

- 1105 Create Implementation Plan
- 1106     Releases
- 1107 Conduct Design Review(s)
- 1108
- 1109 Deployment
  - 1110     Upgrade Hardware/software as required
  - 1111     Perform System Integration
  - 1112     Conduct Regression test
  - 1113     Conduct Release test
  - 1114     Conduct Stress test
  - 1115     Conduct Acceptance test
    - 1116         Washington DC
    - 1117         Asheville
  - 1118     Perform Roll out
    - 1119         Washington DC
    - 1120         Asheville
- 1121
- 1122 Sub-System
  - 1123     Ingest
    - 1124         Develop Detailed Design
    - 1125         Conduct Design Review
    - 1126         Implement
    - 1127             Code
    - 1128             Unit test
    - 1129         Conduct Integration test
    - 1130         Update Documentation
  - 1131
  - 1132     Archive
    - 1133         Develop Detailed Design
    - 1134         Conduct Design Review
    - 1135         Implement
    - 1136             Code
    - 1137             Unit test
    - 1138         Conduct Integration test
    - 1139         Update Documentation
  - 1140
  - 1141     Web Access
    - 1142         Develop Detailed Design
    - 1143         Conduct Design Review
    - 1144         Implement
    - 1145             Code
    - 1146             Unit test
    - 1147         Conduct Integration test
    - 1148         Update Documentation
  - 1149
  - 1150     Search

- 1151 Develop Detailed Design
- 1152 Conduct Design Review
- 1153 Implement
  - 1154 Code
  - 1155 Unit test
- 1156 Conduct Integration test
- 1157 Update Documentation
- 1158
- 1159 Visualization
  - 1160 Develop Detailed Design
  - 1161 Conduct Design Review
  - 1162 Implement
    - 1163 Code
    - 1164 Unit test
  - 1165 Conduct Integration test
  - 1166 Update Documentation
- 1167
- 1168 Order Entry
  - 1169 Develop Detailed Design
  - 1170 Conduct Design Review
  - 1171 Implement
    - 1172 Code
    - 1173 Unit test
  - 1174 Conduct Integration test
  - 1175 Update Documentation
- 1176
- 1177 Order Fulfillment
  - 1178 Develop Detailed Design
  - 1179 Conduct Design Review
  - 1180 Implement
    - 1181 Code
    - 1182 Unit test
  - 1183 Conduct Integration test
  - 1184 Update Documentation
- 1185
- 1186 E-commerce (pricing and payment)
  - 1187 Develop Detailed Design
  - 1188 Conduct Design Review
  - 1189 Implement
    - 1190 Code
    - 1191 Unit test
  - 1192 Conduct Integration test
  - 1193 Update Documentation
- 1194
- 1195